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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	11649	mpeg$	USPAT	2003/10/26 17:38
2	BRS	L2	3828	1 and quantiz$	USPAT	2003/10/26 17:44
3	BRS	L3	15428	"3" and dct$3	USPAT	2003/10/26 17:40
4	BRS	L4	3682	3 and ((coded or coding or encoding) with (decoded or decoding or re-encoding))	USPAT	2003/10/26 17:43
5	BRS	L5	1683	4 and (bit with rate)	USPAT	2003/10/26 17:43
6	BRS	L6	151	5 and (average with bit with rate)	USPAT	2003/10/26 17:44
7	BRS	L7	424	5 and (variable with bit with rate)	USPAT	2003/10/26 17:44
8	BRS	L8	68	6 and (variable with bit with rate)	USPAT	2003/10/26 17:44
9	BRS	L9	3	8 and ((computing or calculating or measuring) with (quantiz$4) with (step$2 or size$2))	USPAT	2003/10/26 17:46
10	BRS	L10	12	6 and ((computing or calculating or measuring) with (quantiz$4) with (step$2 or size$2))	USPAT	2003/10/26 17:46
11	BRS	L11	66	5 and ((computing or calculating or measuring) with (quantiz$4) with (step$2 or size$2))	USPAT	2003/10/26 17:46

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10			0
11			0

	U	1	Document ID	Issue Date	Pages
1	☐	☐	US 6628839 B1	20030930	37
2	☒	☐	US 6618444 B1	20030909	18
3	☒	☐	US 6590936 B1	20030708	46
4	☒	☐	US 6546052 B1	20030408	50
5	☒	☐	US 6539060 B1	20030325	20
6	☒	☐	US 6535251 B1	20030318	17
7	☒	☐	US 6484140 B2	20021119	29
8	☒	☐	US 6459732 B2	20021001	17
9	☒	☐	US 6377916 B1	20020423	26
10	☒	☐	US 6362753 B1	20020326	17
11	☒	☐	US 6240380 B1	20010529	26
12	☒	☐	US 6208693 B1	20010327	16
13	☒	☐	US 6167087 A	20001226	26

	Title	Current OR	Current XRef	Retrieval Classif
1	Image coding system converting apparatus, image coding system converting method, and recording medium	382/248	348/403.1; 348/441; 375/240.18; 375/240.2; 382/236	
2	Scene description nodes to support improved chroma-key shape representation of coded arbitrary images and video objects	375/240.24	348/592; 382/243	
3	Coded data transform method, transcoding method, transcoding system, and data storage media	375/240.12	375/240.03	
4	Image processing apparatus and method, and computer-readable memory	375/240.08	348/397.1; 375/240.24; 382/243	
5	Image data post-processing method for reducing quantization effect, apparatus therefor	375/240.29		
6	Video encoder and method for adjusting quantization step in real time	375/240.03	348/405.1	
7	Apparatus and method for encoding a signal as well as apparatus and method for decoding signal	704/230	704/211; 704/219; 704/224	
8	Chroma-key for efficient and low complexity shape representation of coded arbitrary video objects	375/240.08	348/592; 375/240.24; 382/164	
9	Multiband harmonic transform coder	704/208	704/230; 704/265	
10	Video data encoder and method of encoding video data	341/50		
11	System and method for partially whitening and quantizing weighting functions of audio signals	704/204	704/200.1; 704/230; 704/500	
12	Chroma-key for efficient and low complexity shape representation of coded arbitrary video objects	375/240.24	382/166	
13	Picture signal encoding method and apparatus and signal recording medium	375/240.03	348/419.1	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Komiya, Daisaku et al.	☒	☐	☐	☐	☐	☐	☐	US 6628839	☐
2	Haskell, Barin Geoffry et al.	☐	☐	☐	☐	☐	☐	☐	US 6618444	☐
3	Kadono, Shinya	☐	☐	☐	☐	☐	☐	☐	US 6590936	☐
4	Maeda, Mitsuru et al.	☐	☐	☐	☐	☐	☐	☐	US 6546052	☐
5	Lee, Yung-lyul et al.	☐	☐	☐	☐	☐	☐	☐	US 6539060	☐
6	Ribas-Corbera, Jordi	☐	☐	☐	☐	☐	☐	☐	US 6535251	☐
7	Matsumoto, Jun et al.	☐	☐	☐	☐	☐	☐	☐	US 6484140	☐
8	Chen, Tsuhan et al.	☐	☐	☐	☐	☐	☐	☐	US 6459732	☐
9	Hardwick, John C.	☐	☐	☐	☐	☐	☐	☐	US 6377916	☐
10	Kasahara, Tsuyoshi	☐	☐	☐	☐	☐	☐	☐	US 6362753	☐
11	Malvar, Henrique S.	☐	☐	☐	☐	☐	☐	☐	US 6240380	☐
12	Chen, Tsuhan et al.	☐	☐	☐	☐	☐	☐	☐	US 6208693	☐
13	Kato, Motoki	☐	☐	☐	☐	☐	☐	☐	US 6167087	☐

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14	☒	☐	US 6141637 A	20001031	15
15	☒	☐	US 6128346 A	20001003	15
16	☒	☐	US 6111914 A	20000829	21
17	☒	☐	US 6088061 A	20000711	50
18	☒	☐	US RE36761 E	20000704	19
19	☒	☐	US 6084914 A	20000704	53
20	☒	☐	US 6072835 A	20000606	19
21	☒	☐	US 6072830 A	20000606	74
22	☒	☐	US 6064954 A	20000516	11
23	☒	☐	US 6044115 A	20000328	27
24	☒	☐	US 6023531 A	20000208	11
25	☒	☐	US 6023301 A	20000208	52
26	☒	☐	US 6023299 A	20000208	51
27	☒	☐	US 6023297 A	20000208	
28	☒	☐	US 6005627 A	19991221	
29	☒	☐	US 5986710 A	19991116	
30	☒	☐	US 5986708 A	19991116	

		Title	Current OR	Current XRef	Retrieval Classif
14		Speech signal encoding and decoding system, speech encoding apparatus, speech decoding apparatus, speech encoding and decoding method, and storage medium storing a program for carrying out the method	704/204	704/203; 704/205; 704/219; 704/222	
15		Method and apparatus for quantizing a signal in a digital system	375/254	341/143; 341/77; 375/243	
16		Adaptive entropy coding in adaptive quantization framework for video signal coding systems and processes	375/240.03	375/240.23	
17		Video coding device and video decoding device	348/390.1	375/240.12; 375/240.25	
18		Variable transfer rate control coding apparatus	375/240.03		
19		Video coding device and video decoding device	375/240		
20		Variable transfer rate control coding apparatus	375/240.03	375/240.24; 382/239	
21		Method for generating a compressed video signal	375/240.22	382/240; 382/254	
22		Digital audio signal coding	704/207	704/206; 704/219; 704/227; 704/230	
23		Method and apparatus for coding and decoding digital image data using image quantization modification	375/240.05	375/240.12; 375/240.18; 375/240.23	
24		Quantization table adjustment	382/232		
25		Video coding device and video decoding device	348/586	375/240.01	
26		Video coding device and video decoding device	375/240.12		
27		Encoding method and encoder using it	375/240.03		
28		Video coding apparatus	375/240.14	348/699	
29		Image encoding method and apparatus for controlling the number of bits generated using quantization activities	375/240.2		
30		Video coding device and video decoding device	375/240.1		

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
14	Kondo, Kazunobu	☐	☐	☐	☐	☐	☐	☐	US 6141637	☐
15	Suarez, Jose' I. et al.	☐	☐	☐	☐	☐	☐	☐	US 6128346	☐
16	Bist, Anurag	☐	☐	☐	☐	☐	☐	☐	US 6111914	☐
17	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐	US 6088061	☐
18	Fujiwara, Mitsuaki	☐	☐	☐	☐	☐	☐	☐	US RE36761	☐
19	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐	US 6084914	☐
20	Fujiwara, Mitsuaki	☐	☐	☐	☐	☐	☐	☐	US 6072835	☐
21	Proctor, John J. et al.	☐	☐	☐	☐	☐	☐	☐	US 6072830	☐
22	Cohen, Gilad et al.	☐	☐	☐	☐	☐	☐	☐	US 6064954	☐
23	Horiike, Kazuyoshi et al.	☐	☐	☐	☐	☐	☐	☐	US 6044115	☐
24	Peters, Eric C.	☐	☐	☐	☐	☐	☐	☐	US 6023531	☐
25	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐	US 6023301	☐
26	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐	US 6023299	☐
27	Kobayashi, Mitsugu	☐	☐	☐	☐	☐	☐			☐
28	Odaka, Toshinori et al.	☐	☐	☐	☐	☐	☐			☐
29	Kim, Tae-Yong et al.	☐	☐	☐	☐	☐	☐	☐		☐
30	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages
31	☒	☐	US 5983172 A	19991109	
32	☒	☐	US 5963257 A	19991005	
33	☒	☐	US 5956686 A	19990921	
34	☒	☐	US 5926226 A	19990720	
35	☒	☐	US 5907374 A	19990525	
36	☒	☐	US 5900946 A	19990504	
37	☒	☐	US 5864681 A	19990126	
38	☒	☐	US 5831688 A	19981103	
39	☒	☐	US 5831678 A	19981103	
40	☒	☐	US 5825970 A	19981020	
41	☒	☐	US 5805228 A	19980908	
42	☒	☐	US 5796435 A	19980818	
43	☒	☐	US 5793898 A	19980811	
44	☒	☐	US 5790745 A	19980804	
45	☒	☐	US 5774844 A	19980630	
46	☒	☐	US 5774206 A	19980630	
47	☒	☐	US 5754742 A	19980519	

	Title	Current OR	Current XRef	Retrieval Classif
31	Method for coding/decoding, coding/decoding device, and videoconferencing apparatus using such device	704/203	704/205; 704/224; 704/229; 704/230	
32	Video coding device and video decoding device	375/240.11	375/240.12	
33	Audio signal coding/decoding method	704/500	704/209; 704/219; 704/220	
34	Method for adjusting the quality of a video coder	375/240.22	375/240.14; 382/253	
35	Method and apparatus for processing a compressed input bitstream representing an information signal	375/240.26	375/240.25	
36	Image information encoding/decoding apparatus assuring a minimum compression ratio and limiting a transfer rate	358/426.08	358/405; 375/240.05	
37	Video encoder/decoder system	709/247	382/232; 382/254; 382/282	
38	Image coded data re-encoding apparatus	348/699	375/240.04; 375/240.15; 375/240.16; 375/240.18	
39	Video encoder/decoder system	375/240.22	382/253	
40	Quantization number selecting apparatus for DVCR and method therefor	386/109	386/112	
41	Video encoder/decoder system	375/240.22	382/253	
42	Image coding system with adaptive spatial frequency and quantization step and method thereof	375/240.03	375/240.16	
43	Data compressing system	382/250	382/246	
44	Variable transfer rate control coding apparatus, reproducing apparatus and recording medium	386/111	386/112	
45	Methods and apparatus for quantizing, encoding and decoding and recording media therefor	704/230	704/215; 704/226; 704/229	
46	Process for controlling an MPEG decoder	709/247	375/240.15; 375/240.17; 375/240.2	
47	Setting quantization level to match DCT coefficients	704/230	345/555	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
31	Takashima, Makoto et al.	☐	☐	☐	☐	☐	☐	☐		☐
32	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐		☐
33	Takashima, Makoto et al.	☐	☐	☐	☐	☐	☐	☐		☐
34	Proctor, John J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
35	Liu, Sam J.	☐	☐	☐	☐	☐	☐	☐		☐
36	Kunitake, Setsu et al.	☐	☐	☐	☐	☐	☐	☐		☐
37	Proctor, John J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
38	Yamada, Yoshihisa et al.	☐	☐	☐	☐	☐	☐	☐		☐
39	Proctor, John J.	☐	☐	☐	☐	☐	☐	☐		☐
40	Kim, Seung Il	☐	☐	☐	☐	☐	☐	☐		☐
41	Proctor, John J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
42	Nonomura, Itaru et al.	☐	☐	☐	☐	☐	☐	☐		☐
43	Nakamoto, Nobuya	☐	☐	☐	☐	☐	☐	☐		☐
44	Sugiyama, Kenji et al.	☐	☐	☐	☐	☐	☐	☐		☐
45	Akagiri, Kenzo	☐	☐	☐	☐	☐	☐	☐		☐
46	Wasserman, Steve C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
47	Astle, Brian	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages
48	☒	☐	US 5748249 A	19980505	
49	☒	☐	US 5703646 A	19971230	
50	☒	☐	US 5701367 A	19971223	
51	☒	☐	US 5699457 A	19971216	
52	☒	☐	US 5692074 A	19971125	
53	☒	☐	US 5677689 A	19971014	
54	☒	☐	US 5642165 A	19970624	
55	☒	☐	US 5631977 A	19970520	
56	☒	☐	US 5598514 A	19970128	
57	☒	☐	US 5432556 A	19950711	
58	☒	☐	US 5416604 A	19950516	
59	☒	☐	US 5392073 A	19950221	
60	☒	☐	US 5367629 A	19941122	
61	☒	☐	US 5351083 A	19940927	
62	☒	☐	US 5335016 A	19940802	
63	☒	☐	US 5327502 A	19940705	
	U	1	Document ID	Issue Date	Pages

		Title	Current OR	Current XRef	Retrieval Classif
48		Variable transfer rate control coding apparatus	375/240.05		
49		Picture encoding method, picture encoding apparatus and picture recording medium	375/240.13	375/240.03; 375/240.18	
50		Image data coding system for controlling amounts of code data for character image and natural image regions	382/239	375/240.1; 382/232; 382/243	
51		Image compression coder having improved bit rate control and block allocation	382/239	382/250	
52		Image information coding device and image information communication device with block average information and controllable compression	382/239		
53		Fixed rate JPEG compliant still image compression	341/50	382/238; 382/250; 382/251	
54		Motion picture encoding method and apparatus	375/240.02		
55		Encoding device for encoding an image along an order determined by resolution tone level	382/239	382/232; 382/234; 382/240	
56		Structure and method for a multistandard video encoder/decoder	345/418	345/474; 345/501; 345/719	
57		Coding apparatus	375/240.12	375/240.01; 375/240.24; 382/248; 382/251	
58		Image compression method for bit-fixation and the apparatus therefor	382/232	375/240.01; 382/251	
59		Motion estimating device for variable length encoded data	375/240.14	375/240.07	
60		Digital video compression system utilizing vector adaptive transform	382/253	375/240.12; 375/240.18; 382/245; 382/250; 382/251	
61		Picture encoding and/or decoding system	348/384.1	375/240.03; 375/240.16	
62		Image data compressing/coding apparatus	375/240.03	348/220.1	
63		Image coding system using an orthogonal transform and bit allocation method suitable therefor	382/239	358/426.06; 358/426.14; 382/248	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
48	Fujiwara, Mitsuaki	☐	☐	☐	☐	☐	☐	☐		☐
49	Oda, Tsuyoshi	☐	☐	☐	☐	☐	☐	☐		☐
50	Koshi, Yutaka et al.	☐	☐	☐	☐	☐	☐	☐		☐
51	Adar, Rutie et al.	☐	☐	☐	☐	☐	☐	☐		☐
52	Kunitake, Setsu	☐	☐	☐	☐	☐	☐	☐		☐
53	Yovanof, Gregory S. et al.	☐	☐	☐	☐	☐	☐	☐		☐
54	Suzuki, Teruhiko et al.	☐	☐	☐	☐	☐	☐	☐		☐
55	Koshi, Yutaka et al.	☐	☐	☐	☐	☐	☐	☐		☐
56	Purcell, Stephen C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
57	Hatano, Yoshiko et al.	☐	☐	☐	☐	☐	☐	☐		☐
58	Park, Goo-man	☐	☐	☐	☐	☐	☐	☐		☐
59	Jeong, Je-Chang	☐	☐	☐	☐	☐	☐	☐		☐
60	Chu, Frank J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
61	Tsukagoshi, Ikuo	☐	☐	☐	☐	☐	☐	☐		☐
62	Nakagawa, Chihiro	☐	☐	☐	☐	☐	☐	☐		☐
63	Katata, Hiroyuki et al.	☐	☐	☐	☐	☐	☐	☐		☐

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64	☒	☐	US 5307163 A	19940426	
65	☒	☐	US 5291282 A	19940301	
66	☒	☐	US 4184049 A	19800115	

	Title	Current OR	Current XRef	Retrieval Classif
64	Coding apparatus	375/240.12	375/240.23; 375/240.24; 382/246	
65	Image data coding apparatus and method capable of controlling amount of codes	375/240.23	375/240.12	
66	Transform speech signal coding with pitch controlled adaptive quantizing	704/229	704/203; 704/217; 704/230	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
64	Hatano, Yoshiko et al.	☐	☐	☐	☐	☐	☐	☐		☐
65	Nakagawa, Chihiro et al.	☐	☐	☐	☐	☐	☐	☐		☐
66	Crochiere, Ronald E. et al.	☐	☐	☐	☐	☐	☐	☐		☐